

ADVANTAGES OF ALUMINUM COMBINED WITH
TIME-PROVED DESIGN BY PIONEER
METAL WINDOW SPECIALISTS



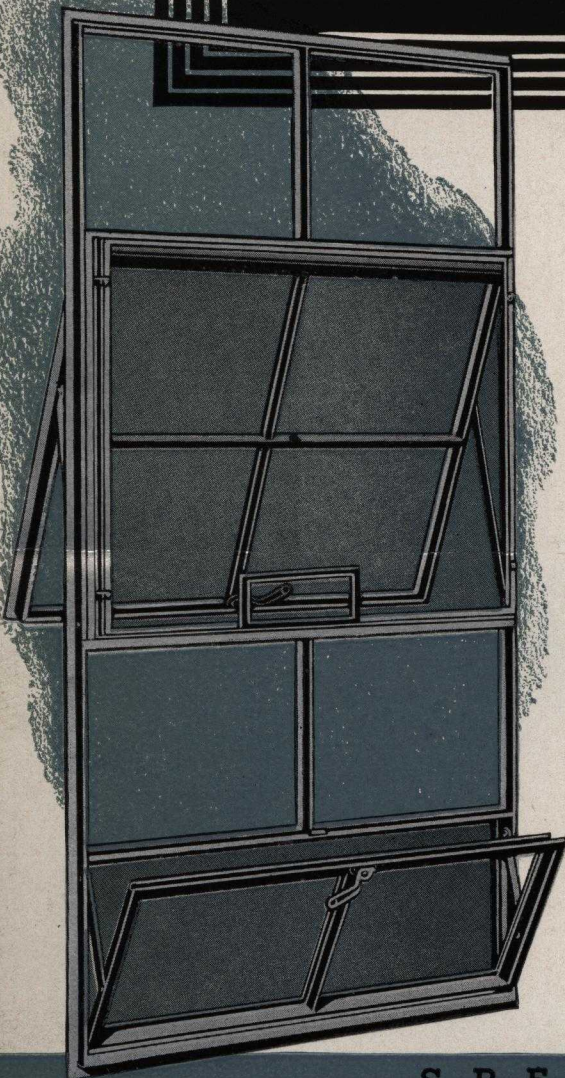
BAYLEY

PROJECTED

Aluminum Windows

BAYLEY

ALUMINUM PROJECTED WINDOWS



The Bayley Aluminum Projected Window offers quantity production of window construction under the jealously-guarded Bayley banner. It represents the culmination of years of combined endeavor; the 66 years of Bayley's pioneering and specialization in fabrication and metal design; and the Aluminum Industry's many years of research and development of the best Material for enduring construction needs. For buildings of *Today* and *Tomorrow*, this window has gained high favor among discriminating specifiers and purchasers.

Pleasing in appearance, modern in design, mechanically care-free and built of especially extruded extra strength sections, the Bayley Aluminum Projected Window is equally suited to commercial buildings or private living units. Flat unobstructed interior permits use of any decorative treatment with drapes and blinds. Awning effect of Projected-Out Ventilator combines weather protection and ventilation; Projected-In Ventilator also affords "no draft" ventilation. Attractive hardware is simple and apparent in operation and has no complicated parts to get out of order. Exterior and interior of window can be washed from the inside.

As the originator of the double glazing provision in metal windows, this Bayley Aluminum Projected Window is also designed with extra deep sections to accommodate the recently perfected double glazing known as "Thermopane" or "Twindow" $\frac{1}{2}$ " thick. These advantages, plus many others described elsewhere in this bulletin quickly reveal the suitability of this window—provided with or without screens—for buildings of all types of construction and architectural treatment.

S P E C I F I C A T I O N S

SHORT SPECIFICATIONS: The Aluminum Projected Windows are to be as manufactured by The William Bayley Company, of Springfield, Ohio, in modular layouts and sizes, as shown on drawings and in Bayley Bulletin Number A.P.W. 47.

DETAIL SPECIFICATIONS: (to be added to the above if desired)

SECTIONS AND CONSTRUCTION: Especially extruded Aluminum shapes, $\frac{1}{8}$ " minimum thickness, designed for windows outside-glazed. Outside frame members are unequal leg sections $1\frac{1}{2}$ " and $1\frac{5}{8}$ " deep horizontally, and provide $\frac{5}{8}$ " wall bearing. Combined outside frame and ventilator frame depth horizontally is $1\frac{3}{4}$ "; vertically $2\frac{7}{16}$ ". Corners of outside and ventilator frames, and muntin to frame joints are coped, tenoned and riveted. Muntins are $1\frac{1}{2}$ " deep with intersections mechanically formed, without bending or distortion, to obtain maximum strength.

VENTILATORS: Have two weathering contacts parallel to face of window. Projected-Out ventilators open out at bottom; Projected-In open in at top. They have sliding friction pivots with non-abrasive shoes and concealed compression springs, and balance arms, which position the ventilators up to 60° maximum opening.

MULLIONS: Adjustable from $2\frac{1}{8}$ " to $3\frac{1}{8}$ " wide—provide for expansion and contraction. Flat surface

outside. Plate up to 4'-1" high; special H section over 4'-1". (Mullion covers optional, at extra cost).

SCREENING: Windows are prepared for screens. (Screens furnished at extra cost). Aluminum Screens for Projected-Out ventilators are wicket type, mounted inside; for Projected-In Ventilators they are mounted outside. (Removable from inside).

OPERATING HARDWARE: Easy Grip Aluminum handles, specially designed to assure apparent operation, and without complicated parts requiring maintenance. Handle A-H153 for Projected-Out ventilators; A-H155 for Projected-In. Pole eye A-724-A for Projected-Out ventilators out of reach. Spring catch A-AH-139 for pole operation of Projected-In ventilators out of reach.

ANCHORS AND CLIPS: Of aluminum or cadmium plated steel with necessary bolts.

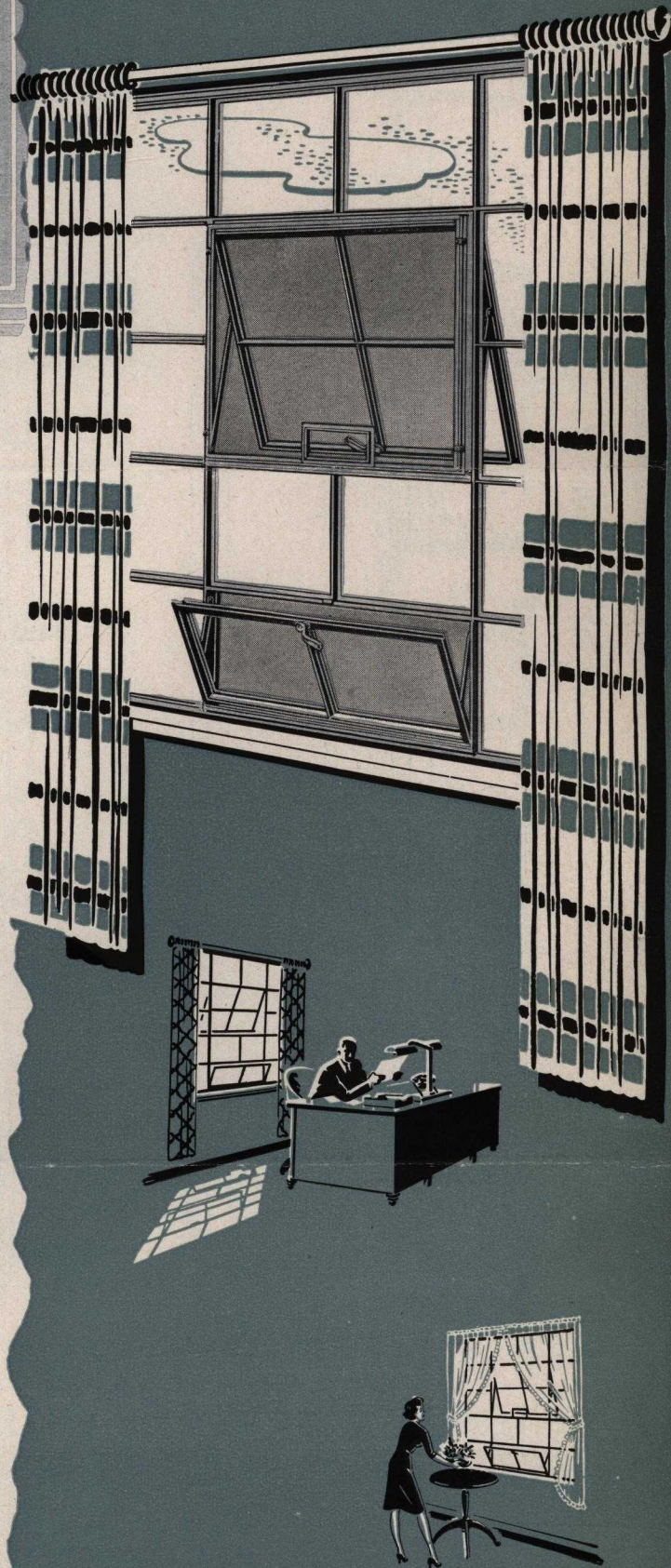
FINISH: As extruded and fabricated.

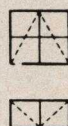
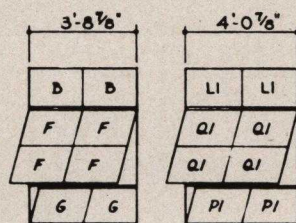
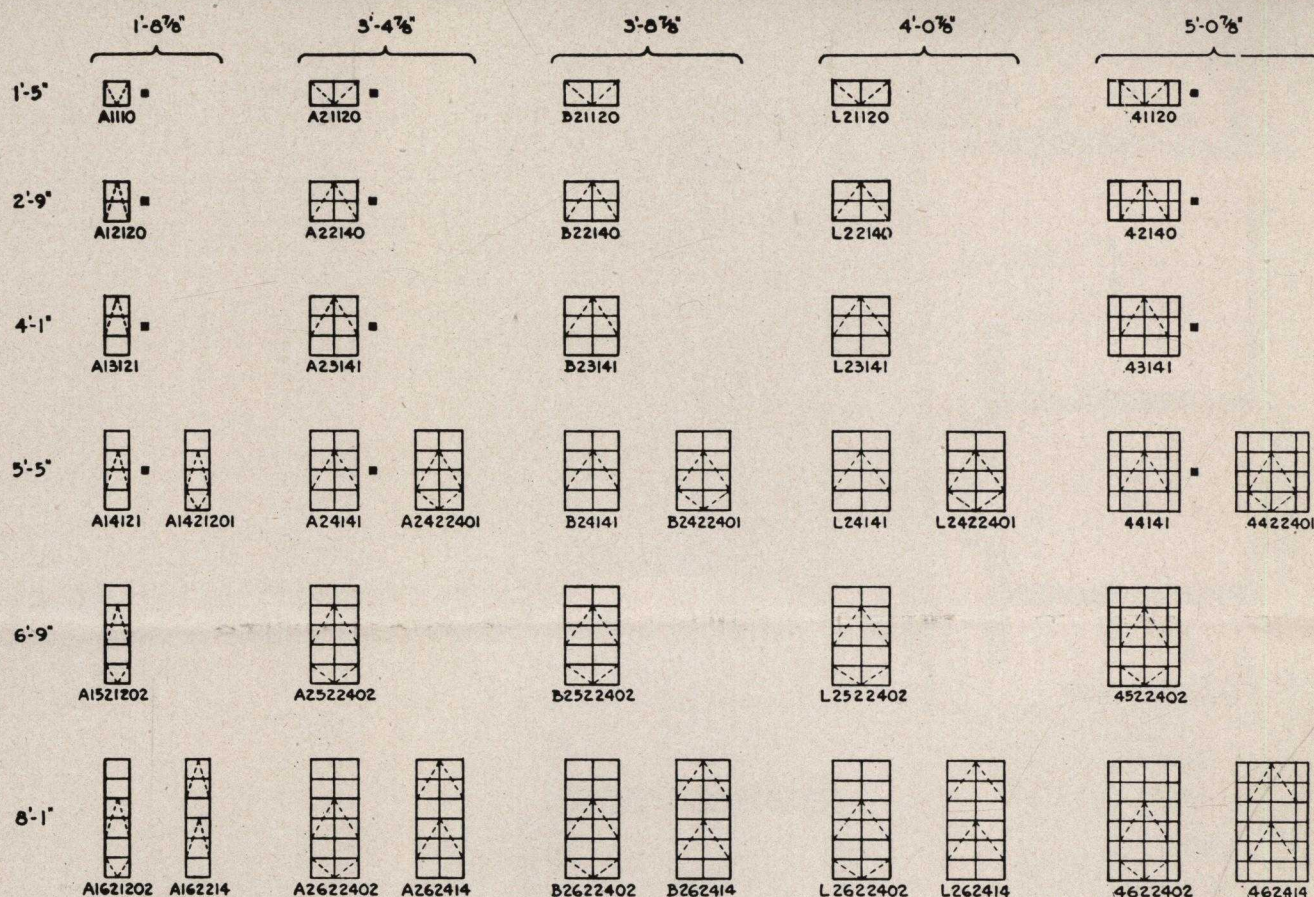
A Quality Window designed for Maximum Economy

Advantages of the

PROJECTED WINDOW

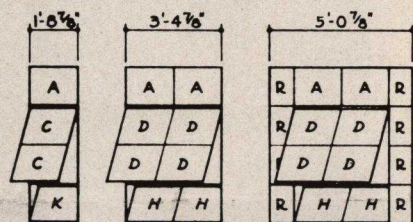
- ★ **Modern Appearance.**
- ★ **Economical—Painting unnecessary.**
- ★ **Permanent—Long carefree life.**
- ★ **Simplicity—No complicated mechanism.**
- ★ **Complete—Ready for installation and glazing.**
- ★ **Universal—Adaptable to all types of construction.**
- ★ **Ample provision for wall engagement in window opening.**
- ★ **Glazing outside—flat surface inside—easy to wash and clean.**
- ★ **Extra deep sections—Accommodate "Thermopane" or "Twin-dow" glazing.**
- ★ **Windows prepared for screens.**
- ★ **Projected ventilators—**
Work smoothly—not affected by moisture, warping, or sticking.
Indirect Ventilation.
Awning—protection during showers.
Positive acting hardware—
Operation is direct and apparent.
Screens with wicket for easy access to hardware.
Washing from inside—smooth surface and large lights clean quickly.
Designed for simple application of accessories, such as —
screens, draperies, shades, curtains, venetian blinds or awnings.





PROJECTED-OUT VENTS

PROJECTED-IN VENTS



GLASS SIZES

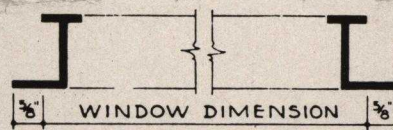
A - 19 3/8" x 15 3/8"	H - 16 3/8" x 13 3/8"
B - 21 3/8" x 15 3/8"	K - 17 3/8" x 13 3/8"
C - 17 3/8" x 14 3/8"	LI - 23 3/8" x 15 3/8"
D - 18 3/8" x 14 3/8"	PI - 22 3/8" x 13 3/8"
F - 20 3/8" x 14 3/8"	QI - 22 3/8" x 14 3/8"
G - 20 3/8" x 13 3/8"	R - 9 3/8" x 15 3/8"

■ BAYLEY HOUSING AND RESIDENTIAL WINDOWS; THE ONE LIGHT HIGH UNITS ARE SUITABLE FOR BASEMENTS.

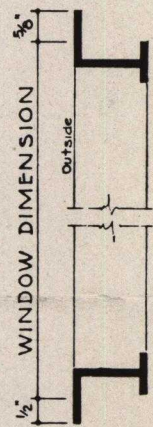
SIZES SHOWN ARE WINDOW DIMENSIONS. LAYOUTS SHOWN CAN ALSO BE FURNISHED AS FIXED WINDOWS.

LAYOUTS OF UNITS, SIZES AND KINDS OF VENTILATORS ARE RESTRICTED TO THOSE SHOWN. GLAZING IS WITH PUTTY OUTSIDE.

MULTIPLE UNIT OPENINGS CAN BE ARRANGED WITH MULLIONS 2 1/8" TO 3 1/8" WIDE. (SEE PLATE 406)



HORIZONTAL SECTION



VERTICAL SECTION

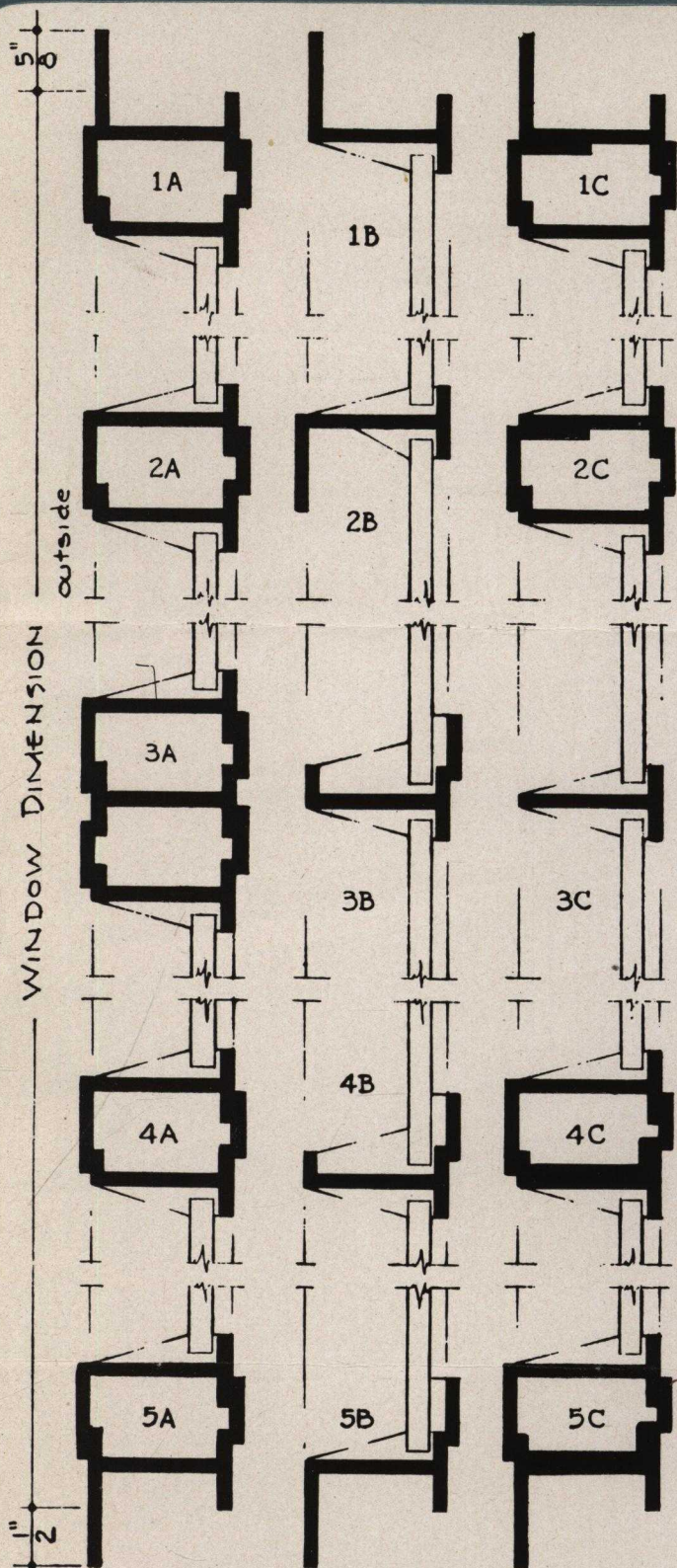
BAYLEY ALUMINUM PROJECTED WINDOWS

PLATE 405

ESPECIALLY POPULAR LAYOUTS FOR *Private Living Units*

Layouts shown above, that are marked "■" (See note on drawing), are especially suited for private living units. They are frequently referred to as "Housing Windows" because their rugged design will withstand usage incident to that type of occupancy, with a minimum of maintenance and upkeep cost. However, the good appearance, convenient operation and functional

advantages of the Bayley Aluminum Projected Window merits its usage in other "living unit" projects, such as Apartments, Hotels and Office Buildings. A review of its advantages, given elsewhere in this bulletin, affords a ready explanation for its rapidly growing popularity and constantly widening scope.

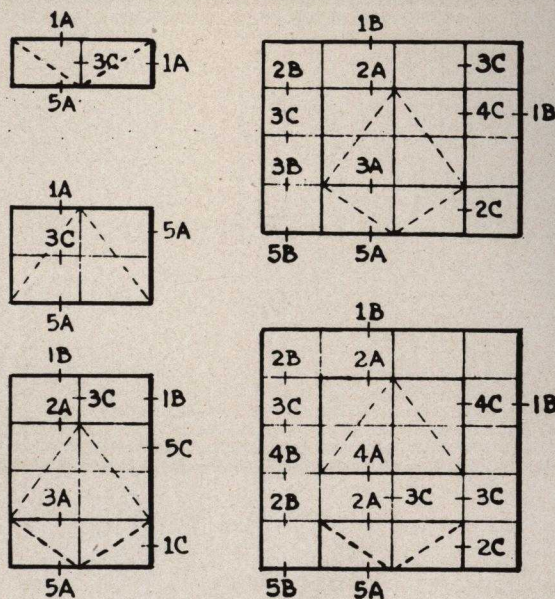


SECTIONS SHOWN HALF SIZE

BAYLEY ALUMINUM PROJECTED WINDOWS

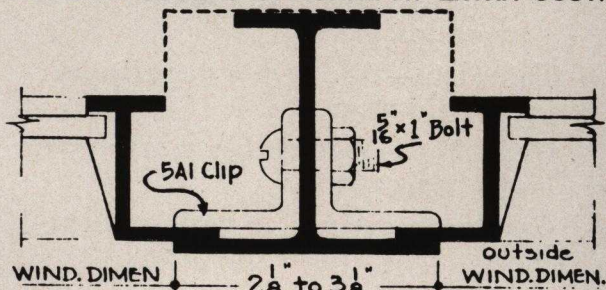
PLATE 406A

DOUBLE GLAZING—As the originator of the double glazing provision in metal windows, this Bayley Aluminum Projected Window is also designed with extra deep sections to accommodate the recently perfected double glazing, known as "Thermopane" or "Twindow" $\frac{1}{2}$ " thick. They are improved forms of double glazing, consisting of two panes of glass separated by a dehydrated air space sealed around the edges at the factory with a special



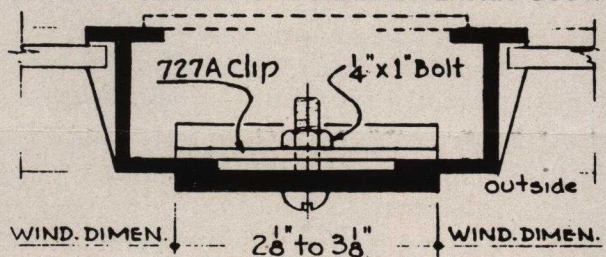
TYPICAL UNITS

MULLION COVERS OPTIONAL AT EXTRA COST.



ATT MULLION
FOR OPENINGS OVER 4'-1" HIGH

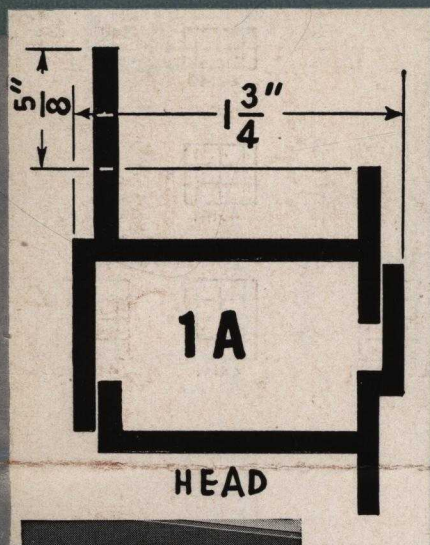
MULLION COVERS OPTIONAL AT EXTRA COST.



AM MULLION
FOR OPENINGS UP TO 4'-1" INCLUSIVE

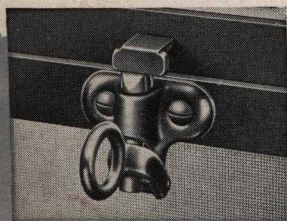
metal-to-glass bond. Installation is similar to that for single glass, simplifying glazing procedure encountered in the double glazing for which Bayley has long been known as the "Trailblazer." Wherever uniform temperature, humidity control and low fuel costs are desired Bayley now recommends the use of "Thermopane" or "Twindow" in conjunction with Bayley Aluminum Projected Windows.

Quality Section Design offered in **BAYLEY** Aluminum Projected Windows



The illustrations and details on this page show the well balanced horizontal and vertical depth and thickness of sections, and the strength combined with refinement of detail and workmanship incorporated in the Bayley Aluminum Projected Window. Improvements will be incorporated as they are developed.

Sections 1A (left) and 5A (below) Bayley Aluminum sections (exclusive) are especially extruded to give a combined frame and ventilator depth horizontally of a full $1\frac{3}{4}$ ", and vertically of $2\frac{7}{16}$ ". Ventilator contact surfaces are parallel to the plane of the window, which is a characteristic of Bayley Windows and an indication of quality.



Spring catch A-AH-139 for Projected-In ventilators out of reach—pole operated does not interfere with screens.

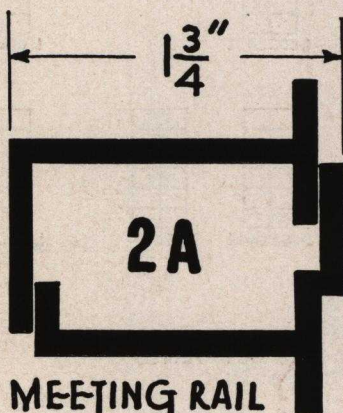
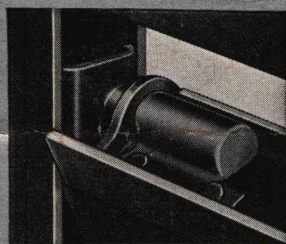


Sturdy, attractive aluminum handle A-H153 for projected-out ventilators as shown; A-H155 for projected-in, similar. Pole eye A-724A for projected-out ventilators, out of reach, not shown. Fits neatly to flat surface of windows. Designed for easy apparent and positive operation, with no mechanical parts to require maintenance.

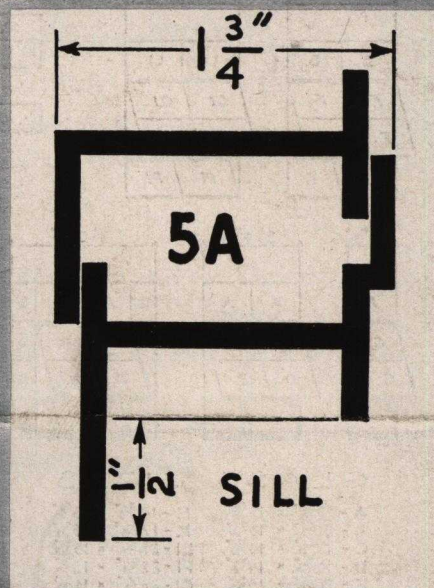


Ventilator corner reinforcement includes housing for sliding shoe. Enclosed parts are protected against dirt. Spring maintains constant friction. Contact

between shoe and integral guide of section is wide, permitting large working parts for smooth operation.



Section 2A (center) Combined meeting rail and ventilator sections are $1\frac{3}{4}$ " horizontally and $1\frac{3}{4}$ " vertically. Ample room between ventilators and frame members provides for substantial, built-in hardware, such as ventilator shoes and limit arms.



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